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CIRCULAR

We are happy to announce a new initiative aimed at guiding students towards well-defined career goals. Starting from the **III Semester**, every student will have the opportunity to choose a **Career Pathway** based on their aspirations and strengths.

The available options are:

- Elite Placement
- General Placement
- Core Placement
- Competitive Examinations
- Higher Studies
- Entrepreneurship

Once a pathway is selected, the Head- Student Affairs will provide **semester-wise benchmarks and milestones** tailored to each pathway. This structured approach will enable students to prepare systematically for their chosen career direction.

- **Monthly tests/assessments** will be conducted for each pathway to monitor progress.
- All activities, performance tracking, and progress will be monitored through **KR Connect.**
- Students and faculty mentors are expected to actively participate and make the best use of this opportunity.
- The initiative is designed to help students stay focused, motivated and well-prepared for life beyond college.
- All the II & III year Students are informed to select their preferred pathway on or before 21.08.2025.
- Faculty mentors are requested to guide and support students in making informed choices.

The first test is planned on 23.08.2025. The details of milestones are attached as **Annexure.**

19/8/25

Principal

19/08/25

Copy submitted to : The Chairman, Joint Secretary and Executive Director.
CC to : Dean, Portfolio Heads, COE, HR, Librarian and TPO
All HoDs and Office Manager

ANNEXURE

ELITE PLACEMENTS

Semester	Technical Skills	Practical Exposure	Career Prep & Soft Skills
III	• Programming fundamentals - C • Start DSA basics: arrays, strings, linked list • Learn Git & GitHub	• Build mini project (console/website) • Solve 100 coding problems	• Resume draft • Join coding clubs / Hackathons • 1 Workshop
IV	• Advance in DSA: stacks, queues, recursion, sorting • SQL basics • OOPs + design patterns	• 2 projects (web/app/ML basics) • Participate in 1 hackathon • 1 Online Course • Solve 200+ coding problems	• Participate 1 Group Discussion • Basic aptitude practice (Test)
V	• JAVA • DSA advanced: trees, graphs, DP, greedy • OS & DBMS • Basics of system design	• Contribute to open-source / GitHub • Build 1 real-world AI enabled project (deployed online) / 1 Certification • 1 internship (short-term / virtual)	• Mock Interview • Mock coding test practice • Group discussion
VI	• Complete 500+ coding problems across platforms • Learn networking basics • Company Specific tests	• Secure summer internship in product/startup • Publish 1 research paper / Patent	• 2 mock interviews • Advanced aptitude training

GENERAL PLACEMENTS

Semester	Technical Skills	Practical Exposure	Soft Skills & Career Prep
III	• Learn 1 programming language (C) • Basics of OOPs • Intro to SQL	• 1 simple mini-project	• Resume draft • Join student clubs
IV	• DSA basics: arrays, strings, linked list • Basic queries in SQL	• 1 project (web/app basics) • Online course (NPTEL)	• Presentation in class/seminar • Start mock GD practice
V	• Advance DSA (stacks, queues, recursion) • OS & Networking basics • SQL joins, sub queries	• Internship (short/virtual) • Project on GitHub (AI Enabled)	• 2 mock interviews • Communication practice
VI	• Complete 200 coding problems • Basics of DBMS & OS for interviews • Company Specific Coding Test	• Internship (preferably IT/service company) • Major project work begins	• 2 mock GD sessions • Email writing/HR prep • Mock Interview

CORE PLACEMENTS

Semester	Skill Development	Practical Exposure	Career Prep
III	• Identify in 2–3 core subjects (branch-specific) • Learn fundamentals of Engineering Drawing & Workshop practices	• 1 mini project (branch-related) • Attend 1 industry seminar / visit	• Resume draft (focus on technical skills) • Start aptitude basics
IV	• Study basics of core subjects (Mechanics, Circuits, Structures) • Learn 1 software tool: Mechanical → AutoCAD / Solid Works Civil → AutoCAD Civil, STAAD.Pro EEE/ECE → MATLAB, Multisim / VLSI	• Certification course in chosen tool • College project / technical exhibition	• Presentation on technical topic • Communication practice
V	• Advance in core subjects (Thermo/Structural/Power Systems/Analog) • Prepare GATE-level basic problems	• 1 branch-related mini project • Contribute to lab/project reports	• 2 mock technical interviews • Attend technical paper presentation
VI	• Deep dive into advanced core subjects (Design, Geotech, Machines, Control Systems) • Learn 1 advanced tool: Mechanical → Ansys, CATIA Civil → ETABS, Revit EEE/ECE → VLSI (Xilinx), PLC basics • Company Specific Test	• 4–6 week internship in core industry/PSU • Major project work begins	• 1 mock group discussion • Resume update with certifications

ENTREPRENEURSHIP

Semester	Milestones
III	• Identify **2 real-world problems**. • Submit **problem statement document**. • Attend **1 entrepreneurship/innovation workshop**.
IV	• Finalize **1 startup idea**. • Prepare a **Business Model**. • Participate in **1 Hackathon/Ideathon**. • Complete **1 online course** on entrepreneurship/startups.
V	• Build a **prototype/MVP** (working model/app/service). • Collect **feedback from 25–50 users**. • Pitch idea in **1 internal event**.
VI	• Refine prototype/MVP with feedback. • Learn **startup finance & marketing basics** (certificate/online course). • Internship/association with a **startup/incubator**. • Present startup idea in **1 external competition**.
VII	• Create a **5-slide investor pitch deck** (Problem → Solution → Market → Business Model → Team). • Participate in **1 incubation/acceleration program**. • Register on **Startup India/Incubation cell**. • Network with **2–3 mentors/industry experts**.
VIII	• Launch a **pilot version** of product/service. • Pitch in **1 investor/funding event**. • Submit a **business plan report** (finance, marketing, growth plan). • Apply for **incubation/funding/grant**.

HIGHER STUDIES & COMPETITIVE EXAMINATION

Semester	Milestones
III	• Decide **target exam(s)** (GATE/UPSC/CAT/GRE etc.). • Collect **syllabus + previous year question papers** • Start with **basics of aptitude & reasoning**. • Identify and Maintain **notes for 2 core subjects**.
IV	• Cover **50% of aptitude syllabus** (quant + logical reasoning). • Cover basics of **2 core subjects** (GATE/UPSC) OR **1 exam section** (CAT/GRE). • Attempt **1 sectional mock test**. • Participate in **1 quiz/competitive event**.
V	• Complete **all aptitude topics**. • Cover **70% of core subjects / exam syllabus**. • Attempt **3–5 sectional mock tests**. • Create **short notes/flashcards** for revision.
VI	• Revise **all aptitude + reasoning**. • Cover **90% of exam syllabus**. • Attempt **5 full-length mock tests**. • Join **study group/peer discussions**. • Attend **1 seminar/workshop on exam prep**.
VII	• Complete **100% syllabus coverage** • Attempt **10+ full-length mock tests** • Analyze **mistakes & weak areas**. • Regularly revise with **short notes**. • Appear for **internal mock exam** conducted by college.
VIII	• Attempt **15+ mock exams under exam conditions**. • Revise **entire syllabus twice**. • Appear in **actual target examination(s)**.